



PTO/SB/08A (08-08)

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Substitute for form 1449A/PTO

Complete if Known

Application Number	10/534,421
Filing Date	May 5, 2005
First Named Inventor	Hong Chen
Art Unit	1793
Examiner Name	Paul D. Marcantoni

Sheet

1 of 17

Attorney Docket Number

131279.1039

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-2,469,379	05-10-1949	Fraser	
		US-2,547,127	04-03-1951	Kalousek	
		US-2,665,996	01-12-1954	Kalousek	
		US-2,883,040	04-21-1959	Pater et al.	
		US-2,987,408-A	06-06-1961	Minnick	
		US-3,257,220	06-21-1966	Kalousek et al.	
		US-3,317,643	05-02-1967	Denny	
		US-3,360,392-A	12-26-1967	Mod et al.	
		US-3,505,439	04-07-1970	Moorehead et al.	
		US-3,668,150	06-06-1972	Horvitz	
		US-3,679,446-A	07-25-1972	Kubo	
		US-3,782,985	01-01-1974	Gebhardt	
		US-3,843,380-A	10-22-1974	Beyn	
		US-3,865,779-A	02-11-1975	Oya et al.	
		US-3,873,025-A	03-25-1975	Qvarnstrom et al.	
		US-3,883,122	05-13-1975	Werner et al.	
		US-3,928,539	12-23-1975	Satoh et al.	
		US-3,932,275-A	01-13-1976	Mewes et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		AR-010221	07-06-2000	EKA Chemicals AB		
		AR-012390	10-18-2000	James Hardie Research		
		AR-012644	08-11-2000	Crosfield Ltd		
		AR-0227376	10-29-1982	Horacio Ernst Cristian		
		AR-151553	10-5-1966	Johns-Manville Corporation		
		AR-206788	08-23-1976	Hoechst AG		
		AR-206890	08-31-1976	Sika AG		
		AR-228671-A1	03-30-1983	Grace W R & Co		
		AR-240667	08-31-1990	Elkem A/S Den Norske Stats Olje		

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		Number-Kind Code ² (if known)			
		US-3,989,534	11-02-1976	Plungui et al.	
		US-4,052,220-A	10-04-1977	Turpin, Jr.	
		US-4,066,723-A	01-03-1978	King et al.	
		US-4,070,199-A	01-24-1978	Downing et al.	
		US-4,088,804-A	05-09-1978	Cornwell et al.	
		US-4,092,109	05-30-1978	Rosenberg et al.	
		US-4,101,335	07-18-1972	Barrable et al.	
		US-4,102,697-A	07-25-1978	Fukuba et al.	
		US-4,129,450	12-12-1978	Flanigen et al.	
		US-4,131,638-A	12-26-1978	Whitaker et al.	
		US-4,131,480	12-26-1978	McCurrich et al.	
		US-4,132,555	01-02-1979	Barrable et al.	
		US-4,134,773	01-16-1979	Simeonov et al.	
		US-4,144,121	03-13-1979	Otouma et al.	
		US-4,162,294	07-24-1979	Witzke et al.	
		US-4,162,924	07-31-1979	Kubo et al.	
		US-4,188,231-A	02-12-1980	Valore	
		US-4,204,644-A	05-27-1980	Kozuka et al.	
		US-4,240,840-A	12-23-1980	Downing et al.	
		US-4,250,134-A	02-10-1981	Minnick	

FOREIGN PATENT DOCUMENTS					
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
		AR-291988	01-31-1984	W. B. Grace y Co.	
		AU-A-13067/92	09-24-1992	Hoechst AG	
		AU-A-55929/86	10-30-1986	The Dow Chemical Company	
		AU-44948/85	01-24-1986	Sandoz AG	
		AU-515151	03-19-1981	James Hardie & Coy, Pty. Limited	
		AU-552930	06-26-1986	Mitsubishi Chemical Industries Ltd.	
		AU-56266/98	03-25-1999	Supplee	
		AU-572111-B	07-26-1984	A. V. Syntec Pty. Ltd.	

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		Number-Kind Code ² (if known)			
		US-4,256,504-A	03-17-1981	Dunstan, Jr.	
		US-4,256,584-A	03-17-1981	Lord et al.	
		US-4,261,286-A	04-14-1981	Kupfer et al.	
		US-4,265,674-A	05-05-1981	Debus et al.	
		US-4,268,316-A	05-19-1981	Wills, Jr.	
		US-4,282,890	08-11-1981	Howell, Jr. et al.	
		US-4,298,413-A	11-03-1981	Teare	
		US-4,300,839	11-17-1981	Sakagami et al.	
		US-4,328,145-A	05-04-1982	Bobrowski et al.	
		US-4,330,839	05-18-1982	Miller et al.	
		US-4,339,289-A	07-13-1982	Lankard	
		US-4,344,804-A	08-17-1982	Bijen et al.	
		US-4,347,003	08-31-1982	Anders et al.	
		US-4,374,672-A	02-22-1983	Funston et al.	
		US-4,379,729-A	04-12-1983	Cross et al.	
		US-4,383,960-A	05-17-1983	Delcoigne et al.	
		US-4,394,175-A	07-19-1983	Cheriton et al.	
		US-4,403,006-A	09-06-1983	Bruce et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
		AU-606344	01-04-1989	Kabushiki Kaisha Osaka Packing Seizoshō	
		AU-659400	05-11-1995	Vinyl-Crete Products Australia Pty Limited	
		CN-1061328	09-23-1998	Shenyang Construction Engineer	✓
		CN-1099089-A	02-22-1995	Huatai Chemical Products Co Sh	✓

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		Number-Kind Code ² (if known)			
		US-4,441,723	04-10-1984	Greenwald	
		US-4,441,944	04-10-1984	Massey	
		US-4,450,022-A	05-22-1984	Galer	
		US-4,478,736-A	10-23-1984	Raba, Jr. et al.	
		US-4,495,301-A	01-22-1985	Sutor	
		US-4,504,335-A	03-12-1985	Galer	
		US-4,507,154-A	03-26-1985	Burge et al.	
		US-4,551,295	11-05-1985	Gardner et al.	
		US-4,663,103	05-05-1987	McCullough et al.	
		US-4,680,059	07-14-1987	Cook et al.	
		US-4,689,084	08-25-1987	Ambroise et al.	
		US-4,713,256	12-15-1987	Chaveron et al.	
		US-4,721,160-A	01-26-1988	Parcevaux et al.	
		US-4,746,364-A	05-24-1988	Kawai et al.	
		US-4,752,135	06-21-1988	Loomans	
		US-4,759,802-A	07-26-1988	Ochi et al.	
		US-4,767,491-A	08-30-1988	Vittone et al.	
		US-4,770,831	09-13-1988	Walker et al.	
		US-4,772,328	09-20-1988	Pfeifer	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
		CN-1120525	04-17-1996	Hunan Science And Engineering	
		CN-1160070	09-24-1997	Wan Qihong	
		CN-1178202	04-08-1998	Loading And Unloading Service Co	
		CN-1251358	04-26-2000	Peop. Rep. China	
		CN-1500038-A	05-26-2004	James Hardie Res Pty Ltd	

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		Number-Kind Code ² (if known)			
		US-4,775,505	10-04-1988	Kuroda et al.	
		US-4,816,091	03-28-1989	Miller	
		US-4,818,595	04-04-1989	Ellis	
		US-4,840,688-A	06-20-1989	Vogt et al.	
		US-4,846,889	07-11-1989	Meyer	
		US-4,880,467	11-14-1989	Rirsch et al.	
		US-4,904,503-A	02-27-1990	Hilton et al.	
		US-4,915,740-A	04-10-1990	Sakai et al.	
		US-4,933,013-A	06-12-1990	Sakai et al.	
		US-4,933,031-A	06-12-1990	Blomberg et al.	
		US-4,935,060	06-19-1990	Dingsoyr et al.	
		US-4,938,605	07-03-1990	Friedrich et al.	
		US-4,946,505-A	08-07-1990	Jungk et al.	
		US-4,951,887	08-28-1990	Gutnecht et al.	
		US-4,981,740-A	01-01-1991	Larsen et al.	
		US-4,983,220	01-08-1991	Mathieu	
		US-4,990,550	02-05-1991	Iwanami et al.	
		US-4,994,113-A	02-19-1991	Helnstetter	
		US-5,030,287-A	07-09-1991	Magnani et al.	
		US-5,032,548	07-16-1991	Lowe	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
		CN-2046064	10-18-1989	Gong County Gas Equipment Fact	
		CN-2068048	12-26-1990	James Hardie Res Pty Ltd	
		CN-86209997	03-16-1988		✓
		CZ-283459	10-15-1997	VSCHT	
		CS-222361	8-15-1985		

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		US-5,047,086-A	09-10-1991	Hayakawa et al.	
		US-5,049,412	09-17-1991	Miller et al.	
		US-5,073,197	12-17-1991	Majumdar et al.	
		US-5,106,557	04-21-1992	Rirsch et al.	
		US-5,106,564	04-21-1992	Iwanami et al.	
		US-5,108,510	04-28-1992	Burge et al.	
		US-5,108,679	04-28-1992	Rirsch et al.	
		US-5,154,771	10-13-1992	Wada et al.	
		US-5,174,821	12-29-1992	Matsuoka et al.	
		US-5,192,366	03-09-1993	Nishioka et al.	
		US-5,198,082	03-30-1993	Vennesland et al.	
		US-5,236,773	08-17-1993	Sorathia et al.	
		US-5,254,228	10-19-1993	Westhof et al.	
		US-5,294,255	03-15-1994	Smetana et al.	
		US-5,306,425	04-26-1994	Graves	
		US-5,306,452	04-26-1994	Todd	
		US-5,314,119	05-24-1994	Watt	
		US-5,330,573	07-19-1994	Nakano et al.	
		US-5,338,357-A	08-16-1994	Takai et al.	

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		DD-27767	1961	Götz et al	
		DD-143936	09-17-1980	Ger. Dem. Rep.	
		DE-2344773	03-27-1975	Osaka Packing	
		DE-3324671	01-17-1985	Didier Werke AG	
		DE-3711549	10-15-1987	Ube Industries, Ltd	
		DE-3743467-A1	07-13-1989	Heidelberger Zement AG	
		DE-4229572	03-11-1993	Nichias Corp	
		DE-19607081	08-28-1997	Bilfinger & Berger Umweltverfahrenstechnik GmbH	

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		US-5,342,485	08-30-1994	Armbrust, Jr.	
		US-5,346,012	09-13-1994	Heathman et al.	
		US-5,352,290	10-04-1994	Takeshita et al.	
		US-5,366,637	11-22-1994	Turunc	
		US-5,372,640	12-13-1994	Schwarz et al.	
		US-5,372,678	12-13-1994	Sagstetter et al.	
		US-5,383,521	01-24-1995	Onan et al.	
		US-5,383,967	01-24-1995	Chase	
		US-5,385,764	01-31-1995	Andersen et al.	
		US-5,387,283	02-07-1995	Kirkpatrick et al.	
		US-5,387,626	02-07-1995	Bohme-Kovac et al.	
		US-5,403,394	04-04-1995	Burgand	
		US-5,432,212	07-11-1995	Honda et al.	
		US-5,439,518	08-08-1995	Francis et al.	
		US-5,453,123	09-26-1995	Burge et al.	
		US-5,453,310	09-26-1995	Andersen et al.	
		US-5,470,383	11-28-1995	Schermann et al.	
		US-5,484,480	01-16-1996	Styron	
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		EP-7585	02-06-1980	Minora Forsch Entwicklung	
		EP-21362	01-07-1981	Montedison S.p.A. et al.	
		EP-69095	01-05-1983	Thermobase S.N.C.	
		EP-0314242	05-03-1989	Pumptech N.V.	

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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/534,421
				Filing Date	May 5, 2005
				First Named Inventor	Hong Chen
				Art Unit	1793
				Examiner Name	Paul D. Marcantoni
Sheet	8	of	17	Attorney Docket Number	131279.1039

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
		US-5,508,072	04-16-1996	Andersen et al.	
		US-5,536,310	07-16-1996	Brook et al.	
		US-5,547,505	08-20-1996	Nakatsu et al.	
		US-5,549,859	08-27-1996	Andersen et al.	
		US-5,556,458	09-17-1996	Brook et al.	
		US-5,562,832	10-08-1996	McOnie et al.	
		US-5,580,508	12-03-1996	Kobayashi et al.	
		US-5,583,079	12-10-1996	Golitz et al.	
		US-5,584,895	12-17-1996	Seike et al.	
		US-5,658,624	08-19-1997	Anderson et al.	
		US-5,681,384	10-28-1997	Liskowitz et al.	
		US-5,693,137	12-02-1997	Styron	
		US-5,709,743	01-20-1998	Lecture et al.	
		US-5,728,458	03-17-1998	Sweeney	
		US-5,817,230	10-06-1998	Groppi, Jr. et al.	
		US-5,820,668	10-13-1998	Comrie et al.	
		US-5,853,475	12-29-1998	Liskowitz et al.	
		US-5,863,477	01-26-1999	Kawai et al.	
		US-5,873,654	02-23-1999	Lu	
		US-5,888,322	03-30-1999	Holland	
		US-5,891,374	04-06-1999	Shah et al.	

FOREIGN PATENT DOCUMENTS					
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY		
		EP-0327351	08-09-1989	Dow Chemical Co	
		EP-0376334	07-04-1990	Ask Corp	
		EP-417418	03-20-1991	Baustoffwerke Durmersheim GmbH	✓

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Sheet	9	of	17	Attorney Docket Number	131279.1039

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		Number-Kind Code ² (if known)			
		US-5,900,053	05-04-1999	Brothers et al.	
		US-5,997,630	12-07-1999	Angelskar et al.	
		US-5,997,632	12-07-1999	Styron	
		US-6,008,275	12-28-1999	Moreau et al.	
		US-6,030,447	02-29-2000	Naji et al.	
		US-6,048,088	04-11-2000	Haring et al.	
		US-6,068,466	05-30-2000	Morita et al.	
		US-6,139,620	10-31-2000	Suzuki et al.	
		US-6,143,069	11-07-2000	Brothers et al.	
		US-6,204,214	03-20-2001	Singh et al.	
		US-6,325,853	12-04-2001	Hogan et al.	
		US-6,332,921	12-25-2001	Brothers et al.	
		US-6,346,146	02-12-2002	Duselis et al.	
		US-6,375,853	04-23-2002	Yoon	
		US-6,387,175	05-14-2002	Lynn et al.	
		US-6,482,258	11-19-2002	Styron	
		US-6,485,561	11-26-2002	Dattel	
		US-6,506,248	01-14-2003	Duselis et al.	
		US-6,533,848	03-18-2003	Robl et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
		EP-0619227	10-12-1994	A.W.A.X. Progettazione	<input checked="" type="checkbox"/>
		EP-0619277	10-12-1994	Grace W R & Co et al.	<input checked="" type="checkbox"/>
		EP-0678488	10-25-1995	NGK Insulators Ltd	<input checked="" type="checkbox"/>

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				Art Unit	1793
				Examiner Name	Paul D. Marcantoni
Sheet	10	of	17	Attorney Docket Number	

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		Number-Kind Code ² (if known)			
		US-6,572,697-A1	06-03-2003	Gleeson et al.	
		US-6,641,658	11-04-2003	Dubey	
		US-6,645,289	11-11-2003	Sobolev et al.	
		US-6,660,077	12-09-2003	De Buen-Unna et al.	
		US-6,676,744	01-13-2004	Merkley et al.	
		US-6,676,745-A1	01-13-2004	Merkley et al.	
		US-6,682,595	01-27-2004	Barbour	
		US-6,692,564	02-17-2004	Hofmann et al.	
		US-6,692,570	02-17-2004	Cottier et al.	
		US-6,749,897	06-15-2004	Naji et al.	
		US-6,777,103	08-17-2004	Merkley et al.	
		US-6,809,131	10-26-2004	Li et al.	
		US-6,824,605	11-30-2004	De Buen-Unna et al.	
		US-6,824,715	11-30-2004	Cottier et al.	
		US-6,872,246	03-29-2005	Merkley et al.	
		US-6,893,751	05-17-2005	Naji et al.	
		US-7,028,436	04-18-2006	Bezubic, Jr.	
		US-20020112827-A1	08-22-2002	Merkley et al.	
		US-20020170466-A1	11-21-2002	Naji et al.	
		US-20020170467-A1	11-21-2002	Naji et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
		EP-0725044	08-07-1996	Chichibu Onoda Cement Corp et al.	
		EP-803484	10-29-1997	Ask Corp	
		EP-846666	06-10-1998	A & A Material Corp	✓

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Sheet	11	of	17	Attorney Docket Number	131279.1039

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		Number-Kind Code ² (if known)	MM-DD-YYYY		
		US-20020170468-A1	11-21-2002	Luo et al.	
		US-20020175126-A1	11-28-2002	Naji et al.	
		US-20020179219-A1	12-05-2002	Naji et al.	
		US-20020189499-A1	12-19-2002	Naji et al.	
		US-20020189500-A1	12-19-2002	Naji et al.	
		US-20020192510-A1	12-19-2002	Naji et al.	
		US-20030000424-A1	01-02-2003	Naji et al.	
		US-20030164119-A1	09-04-2003	Naji et al.	
		US-20040083677-A1	05-06-2004	Bezubic et al.	
		US-20040145078-A1	07-29-2004	Merkley et al.	
		US-20040168615-A1	09-02-2004	Luo et al.	
		US-20040211342	10-28-2004	Sprouts et al.	
		US-20050005821	01-13-2005	Colombet et al.	
		US-20050016423-A1	01-27-2005	Merkley et al.	
		US-20050045067-A1	03-03-2005	Naji et al.	
		US-20050126430	06-16-2005	Lightner et al.	
		US-20050208287	09-22-2005	Naji et al.	
		US-20050235883-A1	10-27-2005	Merkley et al.	
		US-20070077436-A1	04-05-2007	Naji et al.	

FOREIGN PATENT DOCUMENTS					
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
		EP-846668	06-10-1998	Dow Corning Corp	
		EP-0875356	11-04-1998	Coperion Werner & Pfleiderer GmbH & Co	

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Sheet	12	of	17	Attorney Docket Number	131279.1039

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		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)			
		FR-2512440	03-11-1983	Colas S.A.	<input checked="" type="checkbox"/>
		GB-1265471	03-01-1972	BPB Industries Ltd	<input type="checkbox"/>
		GB-1490711	11-02-1977	Hoechst AG	<input type="checkbox"/>
		GB-1514239	06-14-1978	Nat Res Dev Corp	<input type="checkbox"/>
		GB-2106527	04-13-1983	Grace W R & Co	<input type="checkbox"/>
		GB-2230772	10-31-1990	Jaypack Limited et al.	<input type="checkbox"/>
		GB-2276875	10-12-1994	MHJ Ltd	<input type="checkbox"/>
		HU-0001904	11-28-2000	Osinga, Theo Jan	<input checked="" type="checkbox"/>
		HU-31027	04-28-1984	Vizgazdalkodasi Tudomanyos Kutato Kozpont et al.	<input checked="" type="checkbox"/>
		HU-164419	02-28-1974	Ferma Gesellschaft für Rationelle Fertigbaumethoden und Maschinenanlagen mbH	<input type="checkbox"/>
		HU-173947B	09-28-1979	Halle Wohnungsbau	<input type="checkbox"/>
		HU-180773	04-29-1983	Nemes Géza et al.	<input type="checkbox"/>
		HU-200511	09-26-1986		<input type="checkbox"/>
		HU-209836	06-28-1994	Kis et al.	<input type="checkbox"/>
		HU-P8905285	01-28-1990	Fibronit SRL	<input type="checkbox"/>
		HU-P9602843	12-30-1996	Durapact Gesellschaft Fuer Glasfaserbetontechnologie MbH	<input type="checkbox"/>
		IT-1311962	03-20-2002	Masini	<input checked="" type="checkbox"/>
		JP-1029843	01-31-1989	Fuji Photo Film Co Ltd	<input checked="" type="checkbox"/>
		JP-1037478	02-08-1989	Nichias Corp	<input checked="" type="checkbox"/>
		JP-01318080	12-22-1989	Asahi Chemical Ind Co	<input checked="" type="checkbox"/>
		JP-02283646	11-21-1990	Shin Etsu Chemical Co Ltd	<input checked="" type="checkbox"/>
		JP-02289456	11-29-1990	Asuku KK	<input checked="" type="checkbox"/>
		JP-03295843	12-26-1991	Taisei Corp et al.	<input checked="" type="checkbox"/>
		JP-04089340	03-23-1992	Sekisui Chemical Co Ltd	<input checked="" type="checkbox"/>
		JP-4182333	06-29-1992	Dai Ichi Kogyo Seiyaku Co Ltd	<input checked="" type="checkbox"/>
		JP-4260645	09-16-1992	Nippon Kokan KK	<input checked="" type="checkbox"/>

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		JP-04349155	12-03-1992	Onoda Cement Co Ltd et al.		✓
		JP-5154816	06-22-1993	Kubota Corp		✓
		JP-5186261	07-27-1993	Nichias Corp		✓
		JP-5425927	02-27-1954	Matsushita Electric Works, Ltd		✓
		JP-06127992	05-10-1994	Kao Corp		✓
		JP-06144912	05-24-1994	Kubota KK		✓
		JP-06144944	05-24-1994	Asahi Chemical Ind Co Ltd		✓
		JP-6236055	1987			✓
		JP-06256053	09-13-1994	Denki Kagaku Kogyo KK		✓
		JP-06258053	09-16-1994	Hitachi Electr Eng et al.		✓
		JP-6271371	09-27-1994	Nichias Corp		✓
		JP-6429843	01-31-1989			
		JP-07165455	06-27-1995	Sekisui Chemical Ind Co Ltd		✓
		JP-07187734	07-25-1995	Sekisui Chemical Co Ltd		✓
		JP-08073283	03-19-1996	Sekisui Chemical Co Ltd		✓
		JP-08132417	05-28-1996	Sekisui Chemical Co Ltd		
		JP-08132418	05-28-1996	Sekisui Chemical Co Ltd		
		JP-09052747	02-25-1997	Denki Kagaku Kogyo KK		✓
		JP-9201561	08-05-1997	Kubota KK		✓
		JP-92-17659	08-19-1997	Denso Corp		✓
		JP-9227200	09-02-1997	Nichiha KK		✓
		JP-09262815	10-07-1997	Sekisui Chemical Co Ltd		
		JP-9292815	11-11-1997	Canon KK		✓
		JP-10330146	12-15-1998	Sekisui Chemical Co Ltd		✓
		JP-11092202	04-06-1999	Matsushita Electric Works Ltd		✓
		JP-11139859	05-25-1999	Sumitomo Osaka Cement Co Ltd		✓
		JP-408067541	03-12-1996	Kubota Corp		✓
		JP-55095654	07-21-1980	Toyo Soda Mfg Co Ltd		✓

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		JP-55130847	10-11-1980	Tokuyama Soda Co Ltd		✓
		JP-56014466	02-12-1981	Nippon Asbestos Co Ltd		
		JP-57017452	01-29-1982	Asahi Asbestos Co Ltd		✓
		JP-57183344	11-11-1982	Asahi Chemical Ind		
		JP-58000351	01-05-1983	Nippon Asbestos Co Ltd		✓
		JP-58149939	09-06-1983	Sumitomo Bakelite Co		✓
		JP-59045953	03-15-1984	Asahi Chemical Ind		
		JP-59107985	06-22-1984	Nichias Corp		✓
		JP-59217659	12-07-1984	Osaka Packing		
		JP-60135211	07-18-1985	Matsushita Electric Works Ltd		
		JP-60191074	09-28-1985	Matsushita Electric Works Ltd		✓
		JP-61141656	06-28-1986	Nichias Corp		
		JP-61178462	08-11-1986	Denki Kagaku Kogyo KK		✓
		JP-62036056	02-17-1987	Sanyo Chemical Ind Ltd		
		JP-62207751	09-12-1987	Denki Kagaku Kogyo KK		✓
		JP-62235274	10-15-1987	Nichias Corp		
		JP-63008248	01-14-1988	Shikoku Elec Power		✓
		JP-63248751	10-17-1988	Onoda Cement Co Ltd		✓
		JP-75095319	07-29-1975	Nippon Asbestos Co., Ltd.		✓
		JP-88-052740	06-25-1986	Shikoku Denryoku KK		✓
		JP-92-052746	04-13-1990	Shikoku Sogo Kenkyusho K. et al.		✓
		JP-92-054171	04-17-1990	Shikoku Sogo Kenkyu et al.		✓
		JP-2000160057	06-13-2000	Ando Corp		✓
		JP-2000302522	10-31-2000	Matsushita Electric Works Ltd		✓
		JP-2001026485	01-30-2001	Sumitomo Osaka Cement Co Ltd		✓
		JP-2001028492	01-30-2001	YKK Architectural Products Inc. et al.		✓
		JP-2001316157	11-13-2001	Kuraray Co Ltd		✓

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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/534,421
				Filing Date	May 5, 2005
				First Named Inventor	Hong Chen
				Art Unit	1793
				Examiner Name	Paul D. Marcantoni
Sheet	15	of	17	Attorney Docket Number	131279.1039

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		JP-2002053361	02-19-2002	Sumitomo Osaka Cement Co Ltd et al.		✓
		JP-2005034695	02-10-2005	Kyowa Exeo Corp		✓
		JP-04002642	04-17-1990	Shikoku Sogo		✓
		JP-04144949	05-19-1992	Shimomura Tadaaki		✓
		JP-07033502	02-03-1995	Shinetsu Chemical Ind. Co.		✓
		JP-500605 / 98	01-21-1997			
		JP-06001648	01-11-1994	Kubota Kk		✓
		JP-06144911	05-24-1994	Kubota Kk		✓
		KR-9508587	08-03-1995	Ssangyong Cement Industrial Co. Ltd		✓
		KR-2000014685	03-15-2000	Hyundai Construction Co. Ltd.		✓
		KR-2001053808	07-02-2001	Hanil Cement Co Ltd.		✓
		RU-2161695	01-10-2001	Predpriyatie Kuban Gazprom		✓
		RU-2167485	05-20-2001	Novopashin Igor' Vital'evich et al.		✓
		RU-2168485	06-10-2001	Belov, V.V. et al.		✓
		RU-2243189	12-27-2004	Gosudarstvennoe Obrazovatel'noe Uchrezhdenie Vysshego Professional'nogo Obrazovaniya "Ural'skii Gosudarstvennyi Tekhnicheskii Universitet-UPI"		✓
		SU-4110544	01-15-1974			
		SU-1571024	06-15-1990	Kherson Agricultural Institute		✓
		SU-1668346	08-07-1991	Khabarovsk Polt Inst		✓
		SU-1782758	12-23-1992	Vni Pi Promy Asbestotsementnyk		✓
		TW-408089	10-11-2000	Shen, De-Shian et al		✓
		WO-86/00291	01-16-1986	Sandoz AG		
		WO-92/00251	01-09-1992	Univ California		

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Sheet	16	of	17	Attorney Docket Number	

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NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	SKAGGS, C.B. et al., "Applications of Rheological Modifiers and Super Plasticizers in Cementitious Systems," American Concrete Institute, SP (1994), SP-148, 189-207
	GEHM, H.W., "New & Basic Research Approaches to Liquid Effluent Treatment," Paper Trade Journal (1958), 142 (No. 16), 40-4, 46
	"Self-leveling elastic waterproofing coating," Shanghai Building Materials, Issue 6, 2000, pp. 24-25.
	Xu et al., "Study on particle size distribution and chemical activity of mechanical activated fly ash," Guisuanyan Tongbao (2003), 22(2), pp. 73-76 (abstract only).
	BESSEY, G.E., "Hydrated Calcium Silicate Products Other Than Hydraulic Cements" - The Chemistry of Cements, edited by H.F.W. Taylor, Vol. 2, pp. 101-133, Academic Press.
	CRENNAN, J.M. et al., "Autoclaved Lime-Quartz Materials," Cement and Concrete Research, Vol. 7, pp. 493-502, 1977.
	ALBO-EL-ENEIN et al., "Autoclaved Calcium Silicate Hydrates. I - Rates of Formation and Molar Composition," II Cemento, March 1990, pp. 147-160.
	ARAI, Y. et al., "Crystal Shape and Size Controls of Xonotlite," Gypsum and Lime, No. 248, pp. 17-25, 1994.
	CRC Handbook of Chemistry and Physics, 62nd ed., p. F-124.
	AITKEN, A. et al., "Hydrothermal Reactions in Lime-Quartz Pastes," J. Appl. Chem., 10 (1960) pp. 7-15.
	ASSARSON, G.O., "Hydrothermal Reactions Between Calcium Hydroxide and Muscovite and Feldspar at 120-220°, J. Phys. Chem., 64 (1960) pp. 626-632.
	CHAN, C.F. et al., "Formation of 11A tobermorite from mixtures of lime and colloidal silica with quartz," Cem. Concr. Res., 8 (1978) pp. 135-138.
	KONDO, R., "Kinetic Study on Hydrothermal Reaction Between Lime and Silica," Autoclaves Calcium Silicate Building Products, London, 1965, pp. 92-100 (1967).
	KONDO, R. et al., "Kinetics and Mechanism of Hydrothermal Reaction in Lime-Quartz-Water System," J. Ceram. Soc. Japan, 84 (1976) pp. 573-578.
	Celite Material Safety Data Sheet (MSDS), Revised July 10, 1992.
	KENNEDY, G.C., Econ. Geol. 45 (7) p. 652 (1950).
	BENITEZ et al., "Optimization technique for sewage sludge conditioning with polymer and skeleton builders," Water Research (1994) 28 (10), pp. 2067-2073.
	BLANKENBURG, H.J. et al., "Quality and Possible Use of Brown Coal Fly Ash of East Germany" Freiberger Forschungsheft C (1986), C 413, pp. 102-114.
	ISU, N. et al., "Influence on Quartz Particle Size on the Chemical and Mechanical Properties of Autoclaved Aerated Concrete," Cement and Concrete R., Vol. 25, pp. 243-248.

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